

LIST OF THE DIPTERA OF JAMAICA WITH DESCRIPTIONS  
OF NEW SPECIES.

BY CHARLES W. JOHNSON.

This list is based on a collection made by Mr. Wm. J. Fox and myself, during April and the early part of May, 1891. In addition to those collected and identified, I have added all the species previously recorded from the Island. The latter are designated by an asterisk (\*). To Mr. D. W. Coquillett, Mr. C. H. Tyler Townsend, and Mr. Samuel Henshaw I wish to express my sincere thanks for kind assistance.

CECIDOMYIDÆ.

One specimen resembling the genus *Catocha*. Port Antonio.

BIBIONIDÆ.

\**Plecia rufithorax* Walker, List, etc., I, 116.

CULICIDÆ.

*Culex fasciatus* Fabricius, Syst. Antl., 36, 13.

*Culex mosquito* R. Desv., Culicides, etc., 390.

Troublesome in the woods near Hope Bay.

*Culex* sp.

Port Antonio.

TIPULIDÆ.

\**Geranomyia intermedia* Walker.

*Limnobia intermedia* Walker, List, etc., I, 47.

Four imperfect specimens of a species belonging to this family were collected at Kingston.

STRATIOMYIDÆ.

*Hermetia illucens* Linné. For synonymy, see Osten-Sacken, Catl. 46.

Four specimens, Port Antonio.

\**Oxycera Liburna* Walker, List, etc., III, 528.

*Macrosargus alchidas* Walker.

*Sargus alchidas* Walker, List, etc., III, 517.

Five ♂ and four ♀. Port Antonio. The male agrees with

Walker's description. As both sexes were taken the same day and at the same spot, along a path in the hills back of the town, I have no doubt but that they are the same species, though the female differs considerably from the male. The following is a description of the female, which has not been described:—

Length 8 mm. Face and front yellowish; vertex green; oral margins brownish; antennæ reddish; aristæ black. Thorax and scutellum green; a slender line of yellow extends from the humeri to the base of the wings (also present in the male). Abdomen much wider than in the male, bluish-green, second segment concave at the sides, with a central yellow spot at the base; pubescence on the posterior borders of the segments more prominent than in the male. Venter bluish, the second segment, and the posterior margin of the third and fourth narrowly margined with yellow. Front and middle legs yellow; posterior femora with outer half of the tibiæ and tarsi brownish-black, base of the femora and basal half of the tibiæ and tarsi yellow. In the color of the posterior legs occurs the greatest difference, though the outer portions of the femora, tibiæ, and tarsi of the male are noticeably darker.

\**Sargus Bagosa* Walker, List, etc., III, 518.

\**Clitellaria anchialus* Walker, List, etc., III, 522.

Var.? *Clitellaria chalybeæ* Wied., according to Walker, List, etc., IV, 1157.

*Nemotelus flavicornis* n. sp.

Length (♂) 2½ mm. Face and vertical triangle black, shining. Facial protuberance prominent, conical; antennæ yellow. Facets of the upper half of the eye double the size of those of the lower. Thorax and scutellum greenish-black, shining; humeri, and a narrow line from there to the base of the wings, yellow. Abdomen yellow, with a small black subtriangular spot in the center of the fourth and fifth segments; venter yellow. Legs yellow, posterior femora and tibiæ with a wide medial band of dark brown. Wings hyaline, whitish, discal cell emits four veins.

One specimen, Kingston.

#### TABANIDÆ.

*Chrysops costatus* Fabricius.

*Tabanus costatus* Fabr., Ent. Syst., IV, 373, 45.

*Tabanus variegatus* DeGeer, VI, Tab. XXX, f. 7. "Synon. very probable" (Osten-Sacken).

Two specimens, Port Antonio.

\**Tabanus lucidulus* Walker, List, etc., I, 188.

\**Tabanus rufiventris* Macquart, Dipt. Exot., I, 1, 141, 39. Walker, List, etc., I, 180.

### LEPTIDÆ.

\**Pheneus tibialis* Walker, Dipt. Saund., 156, Tab. IV, f. 3.,

“Mr. Walker refers this genus to the Asilidæ; I place it here on the authority of Mr. Loew (*in litt.*)”—Osten-Sacken.

*Chrysopila jamaicensis* n. sp.

Length, ♂ ♀, 4 mm. Face and front brownish-black. Antennæ, and proboscis reddish; terminal style nearly three times the length of the antennæ. Thorax dull black; male with golden pubescence; humeri and scutellum brownish, pleuræ grayish, abdomen blackish; male with golden pubescence; a denuded specimen shows the basal half of the second segment to be yellow; female with a yellowish lateral line, slightly interrupted at the base of the segments; ovipositor yellow, tip brown. Legs yellow, with minute blackish hairs on the tibiæ and tarsi, yellowish on the femora; a preapical spot on the posterior femora and terminal joints of the tarsi blackish. Wings hyaline, veins and stigma brown.

Seven specimens, Port Antonio.

### ASILIDÆ.

*Leptogaster longipes* n. sp.

Length, ♀, 9 mm. Face and front grayish; a few long yellow hairs above the oval margin; ocelli and proboscis black; antennæ dark brown. Dorsum of the thorax brownish, with three longitudinal black lines; the dorsal one gradually tapering towards the posterior; lateral lines irregular, widest on the anterior side of the suture. Pleuræ and scutellum grayish. Abdomen black, with thin, short, yellowish pubescence, longest on the sides of the last segments; anterior and posterior margins of the segments grayish, thus forming somewhat obscure bands. Legs brownish, coxæ yellowish, basal joint of the front and middle tarsi (except the tip) light yellow; posterior legs double the length of the middle ones, the outer third of the femora greatly enlarged, and the enlarged portion encircled by two yellow bands; tip of the tibiæ, and of all the tarsal joints blackish. Wings hyaline, veins blackish.

One specimen, Port Antonio.

**Plesiomma indecora** Loew, Centur., VII, 13.

Two specimens, Kingston, April; Morant Bay, May 7.

**Cerotainia macrocera** Say.

*Laphria macrocera* Say, Journ. Acad. Nat. Sci., Phila., III, 73.

Eight specimens, Port Antonio. The specimens collected differ from those found in the vicinity of Philadelphia, in being of a more bluish-black color, and on an average somewhat smaller.

**Erax Halæsus** Walker.

*Asilus Halæsus* Walker, List, etc., III, 405.

One specimen, Bath (Mrs. Swainson).

\***Erax invarius** Walker, Dipt. Saund., 131.

**Ommatius saccas** Walker, List, etc., II, 474.

Eight specimens, Port Antonio.

#### BOMBYLIDÆ.

**Hyperalonia proserpina** Wiedemann.

*Anthrax proserpina* Wied., Auss. Zw. Ins., I, 257.

*Exoprosopa proserpina* Schiner, Reise d. Novara Zool., III, Abth. I, 117.

*Anthrax Klugii* Wied., Auss. Zw. Ins., II, 632.

*Anthrax rufescens* Walker, List, etc., III, 238.

Two specimens, Kingston; Bath.

**Hyperalonia cerberus** Fabricius.

*Anthrax cerberus* Fabr., Ent. System, IV, 256.

*Velocia cerberus* Coquillett, Can. Entom., XVIII, 157; *ibid.*, XIX, 12.

One specimen, Morant Bay.

**Exoprosopa parva** Loew, Centur., VIII, 26.

One specimen, Kingston.

\***Exoprosopa ignifer** (Walker) Osten-Sacken, Catl., 86.

*Anthrax ignifer* Walker, List, etc., II, 243.

“Walker contradicts himself about this species; in the Dipt. Saund., page 166, he places it among the species with two sub-marginal cells: later, he puts it in Wiedemann’s Division I, the species of which have three such cells.”—Osten-Sacken. As this remark also applied to *Anthrax trimaculata*, this species may also be a true *Anthrax*.

\***Exoprosopa subfascia** Walker.

*Anthrax subfascia* Walker, List, etc., II, 249.

**Argyramœba Œdipus** Fabricius.

*Anthrax Œdipus* Fabr., System. Antl., 123, 22.

*Anthrax irrorata* Say, Journ. Acad. Nat. Sci. Phila., III, 46.

*Anthrax irrorata* Macquart, Dipt. Exot., II, 1, 60, Tab. XX, f. 6.

Two specimens, Kingston.

\***Argyramœba Gideon** Fabricius Walker; List, etc., II, 257. ("Var.? abdomen all black.")

**Anthrax lateralis** Say.

*Anthrax Bastardi* Macquart, Dipt. Exot., II, 1, 60, 13.

*Anthrax alternata* Say, var. *lateralis* Say, Coquillett, Trans. Am. Ent. Soc., XIV, 166.

Four specimens, Kingston.

**Anthrax lucifer** Fabricius.

*Anthrax flumiflamma* Walker, Dipt. Saund., 184.

Common at Rock Fort, near Kingston.

**Anthrax trimacula** Walker, List, etc., II, 250.

*Exoprosopa trimacula* (Walker), Osten-Sacken, Catl. 87.

Thirteen specimens, Kingston, Port Antonio, and Annotto Bay.

**Anthrax bigradata** Loew, Centur., VIII, 37.

?*Anthrax albovittata* Macq., Dipt. Exot., 4, Suppl., 113, 90.

One specimen, Kingston.

\***Anthrax delicatula** Walker, List, etc., II, 266.

\***Bombylius plumipes** Drury, Illustr., etc., II, Tab. xxxix, fig. 3; Wiedemann, Auss. Zw. I, 351, 50.

**Geron senilis** Fabricius.

*Bombylius senilis* Fabr., Ent. System., IV, 411, 17; System. Antl., 135, 31.

*Geron albidipennis*, Loew, Centur., IX, 78 [Coquillett].

*Geron vitripennis* Loew, Centur., IX, 77 [Coquillett].

Two specimens, Kingston.

### THEREVIDÆ.

**Psilocephala obscura** Coquillett, Can. Entom., XXV, 229.

One specimen, Kingston; April.

### EMPIDÆ.

\***Tachydromi Bacis** Walker.

*Platypalpus Bacis* Walker, List, etc., III, 510.

### DOLICHOPODIDÆ.

**Psilopus chrysoprasius** Loew, Neue Beitr., VIII, 87; Monogr. II, 258.

*Psilopus chrysoprasia* Walker, List, etc., III, 646 [Loew].

Three specimens, Kingston; common, Port Antonio.

**Psilopus jucundus** Loew, Neue Beitr., VIII, 87; Monogr. II, 258.

*Psilopus slypho* Macquart, Dipt. Exot., II, 2, 119, Tab. 21, f. 1 [Loew].

Four specimens, Kingston; Port Antonio.

\***Psilopus suavium** Walker, List, etc., III, 648.

## SYRPHIDÆ.

\**Chrysotoxum nigruta* Fabricius.

*Syrphus nigrutus* Fabr., Ent. System., IV, 292, 49.

*Milio nigruta* Fabr., System. Anfl., 183; Wiedemann, Auss. Zw., II, 88.

\**Syrphus antipathes* Walker, List, etc., III, 589.*Mesograpta arcifera* Loew.

*Mesogramma arcifera* Loew, Centur., VI, 52.

Common, Kingston; Port Antonio.

*Mesograpta subannulata* Loew.

*Mesogramma arcifera* Loew, Centur., VI, 48.

Eleven specimens, Kingston; Port Antonio.

*Mesograpta pæcilogaster* Loew.

*Mesogramma pæcilogaster* Loew, Centur., VI, 51.

Four specimens, Port Antonio.

*Mesograpta laciniosa* Loew?

*Mesogramma laciniosa* Loew, Centur., VI, 50.

One specimen, Port Antonio.

*Baccha clavata* Fabricius.

*Syrphus clavata* Fabr., Ent. System., IV, 289.

*Baccha Babista* Walker, List, etc., III, 549.

*Baccha fascialis* Thomson, Eugen. Resa. Ins., 504.

*Spazigaster bacchoides* Bigot, Ann. Soc. Ent. Fr., 1883, 326.

Six specimens, Rock Fort, near Kingston.

*Baccha latiuscula* Loew.

*Ocyptamus latiuscula* Loew, Centur., VII, 68.

One specimen, Kingston.

*Volucella pallens* Wiedemann, Auss. Zw. Ins., II, 204.

*Volucella sexpunctata* Loew, Wien. Ent. Monatschr., V, 39.

One specimen, Port Antonio.

*Volucella obesa* Fabricius.

*Syrphus obesus* Fabr., Syst. Ent., 763, 5.

*Oruidia obesa* St. Fargeau and Serville, Encycl. Meth., X, 786.

?*Volucella azurea* Phillipi, Verh. zool.-bot. Gesell., 1865, 734, pl. xxvi. f. 35.

Common, Port Antonio.

*Volucella (Temnocera) purpurascens* Loew.

*Temnocera purpurascens* Loew, Centur., VIII, 52.

Two specimens, Kingston.

*Eristalis vinetorum* Fabricius.

*Syrphus vinetorum* Fabr., Ent. Syst., Suppl., 562.

*Eristalis trifasciatus* Say, Journ. Acad. Nat. Sci., Phila., VI, 165.

*Eristalis uvarum* Walker, List, etc., III, 623.

Common, Port Antonio.

**Eristalis albifrons** Wiedemann, Auss. Zw. Ins., II, 189.

*Eristalis albiceps* Macquart, Dipt. Exot., II, 56.

*Eristalis seniculus* Loew, Centur., VI, 63.

Common, Port Antonio.

**Eristalis atrimanus** Loew, Centur., VI, 62.

Two specimens, Port Antonio.

\***Eristalis lateralis** Walker, Linn. Trans., XVII, 347, 42. Walker, List, etc., III, 622.

**Pteroptila cincta** Drury.

*Musca cincta* Drury, Ins., I, 109, Tab. XLV, f. 6.

*Syrphus pinguis* Fabricius, Syst. Ent., 763, 6: Ent. Syst., IV, 282, 16.

*Eristalis pinguis* Fabricius, Syst. Antl., 233, 6: Wiedemann, Auss. Zw. Ins., II, 193, 61.

*Milesia ania* Walker, List, etc., III, 564.

Common, Port Antonio.

**Ceria Daphnæus** Walker, List, etc., III, 537.

Three specimens, Kingston; Port Antonio.

#### ÆSTRIDÆ.

\***Gastrophilus pecorum** Fabricius.

“Europe, and according to Walker, Jamaica” (Osten-Sacken).

#### PHASIIDÆ.

\***Trichopoda pennipes** Fabricius. Townsend, Entom. News, IV, 70.

*Musca pennipes* Fabr., Ent. Syst., IV, 348, 149.

*Dictya pennipes* Wied., Auss. Zw., II, 274, 9.

#### OCYPTERIDÆ.

**Ocyptera Dotadas** Walker, List, etc., IV, 694.

Two specimens, Port Antonio.

#### TACHINIDÆ.

**Pseudohystericia exilis** Townsend, Entom. News, III, 116.

(Cinchona (Cockerell), Bath (Mrs. Swainson).

**Jurinia amethystina** Macquart, Dipt. Exot., II, 3, 42, 9; Tab. III, f. 7.

Common, Port Antonio.

\***Jurinia basilis** Walker, List, etc., IV, 713.

\***Jurinia epileuca** Walker, List, etc., IV, 716.

**Blepharipeza nigrisquamis** Townsend, Entom. News, III, 80.

Three specimens, Port Antonio (Portland). Bath. (Mrs. Swainson.)

\**Blepharipeza breviventris* Wiedemann.

*Tachina breviventris* Wied., Auss. Zw., II, 297; Walker, List, etc., IV, 712.

\**Blepharipeza* sp. Townsend, Journ. Inst. Jamaica, I, 314.\**Belvosia bicincta* Rob. Desv., Myod., 103.

*Senometopia bicincta* Macquart, Hist. Nat. Dipt., II, 112.

*Belvosia bifasciata* Fabr., Osten-Sacken, Catl., 153.

*Willistonina bicincta* Brauer and Bergenstamm, Musc. Schiz., II, 99.

Kingston (T. D. A. Cockerell).

\**Echinomyia basifulva* Walker, List, etc., IV, 725.*Elachipalpus macrocera* Wiedemann.

*Tachina macrocera* Wied., Auss. Zw., II, 290.

*Cuphocera macrocera* Schiner, Novara, 330.

Port Antonio (Portland).

*Gonia pallens* Wiedemann, Auss. Zw., II, 346.

*Gonia angusta* Macq., Dipt. Exot., II, 3, 56, pl. 5, f. 5.

*Gonia lineata* Macq., Dipt. Exot., Suppl., IV, 178.

*Gonia chilensis* Macq., (variety), Dipt. Exot., II, 3, 50, pl. 5, f. 4.

Common, Port Antonio.

\**Tachina hirta* Drury.

*Musca hirta* Drury, fms., 109, Tab. XLV, f. 4.

\**Exorista lagoæ* Townsend, Ent. News, II, 159; Journ. Inst. Jamaica, I, 314.

“Mandeville. Bred from a red *Halesidota*” (E. S. Panton).

\**Exorista* (*Masicera*?) sp.? Townsend, Journ. Inst. Jamaica, I, 315.\**Nutopia Xychus* Walker.

*Ophilia Xychus* Walker, List, etc., IV, 770.

*Anisia Vanderwulpi* Townsend, Entom. News, III, 81.

One specimen, Port Antonio (Portland), April.

\**Masicera protoparcis* Townsend, Journ. Inst. Jamaica, I, 70.

Bred from larva of *Protoparce jamaicensis*. Kingston (Cockerell).

\**Masicera* sp.? Townsend, Journ. Inst. Jamaica, I, 315.

Kingston, July 19.

## DEXIDÆ.

\**Dexia Thomæ* Wiedemann, Auss. Zw., II, 379; Jamaica (Walker, List, IV, 840).\**Sarcodexia sternodontis* Townsend.

Journ. Inst. Jamaica, I, 105. Bred from a longicorn beetle.

Journ. Inst. Jamaica, I, 221. Bred from a scorpion (Cockerell).

## SARCOPHAGIDÆ.

*Sarcophaga incerta* Walker, Dipt. Saund., 324.

Common, Port Antonio.

*Sarcophaga plinthopyga* Wiedemann, Auss. Zw., II, 366.

Common, Port Antonio.



*Sarcophaga* sp., Townsend, Journ. Inst. Jamaica, I, 316.  
Kingston.

*Sarcophagula* sp., Townsend, Journ. Inst. Jamaica, I, 316.  
Kingston, July 10.

*Sarcophilodes* sp., Townsend, Journ. Inst. Jamaica, I, 316; Moneague.

*Phrissopoda* sp., Townsend, Journ. Inst. Jamaica, I, 315; Bath.  
Bath; bred from a snail.

#### MUSCIDÆ.

*Musca basilaris* Macquart, Dipt. Exot., II, 3, 153, 8; Walker, List, etc., IV, 901.  
Common, Kingston.

*Lucilia* sp.  
Common, Port Antonio.

*Compsomyia macellaria* Fabricius.

*Musca macellaria* Fabr., Syst. Ent., 776; Ent. Syst., IV, 319.

*Lucilia macellaria* Macquart, Dipt. Exot., II, 3, 147, pl. 17, f. 9.

*Lucilia hominivorax* Coquerel, Ann. Soc. Ent., 1858, 173, Tab. IV, f. 2.

For synonymy see Williston, Albatross Explor., Proc. U. S. Nat. Mus., XII, 203.

Common, Kingston. According to Lynch-Arribalzaga and Dr. Williston, twenty-seven specific names have been applied to this species.

\**Ormia punctata* R. Desv., Myod., 428.

*Ochromyia punctata* Macq., Hist. Nat. Dipt., II, 250, 3.

#### SCIOMYZIDÆ.

*Tetanocera spinicornis* Loew, Centur., VI, 86.  
Three specimens, Port Antonio.

\**Sepedon macropus* Walker, List, etc., IV, 1078; Lw. Monogr. I, 125.

#### MICROPEZIDÆ.

*Calobata lasciva* Fabricius.

*Musca lasciva* Fabr., Ent. Syst., Suppl., 574, 111.

*Calobata albimana* Macquart, Dipt. Exot., II, 3, 245; Fab., 33, f. 3.

*Calobata valida* Walker, Dipt. Saund., 399.

*Calobata ruficeps* Guérin, Iconogr., etc., III, 553, Tab. 103, fig. 7.

*Tenioptera trivittata* Macq., Hist. Nat. Dipt., II, 491, Tab. XX, f. 9.

?*Calobata aloa* Walker, List, etc., IV, 1053.

Six specimens, Port Antonio.

*Calobata fasciata* Fabricius.

*Musca fasciata* Fabr., System. Ent., 781, 43.

Three specimens, Port Antonio; Kingston.

*Calobata pleuritica* n. sp.

Length, 7 mm., ♂ ♀. Face, front, vertex, and occiput red;

about seven prominent setæ along the vertical angle; antennæ yellow, aristæ black; ocelli and tip of the proboscis black. Thorax and scutellum shining blue-black; pleuræ and a dorsal line, or spot on the front of the thorax, red; scutellum bearing two prominent setæ. Abdomen black; terminal segment and ovipositor shining blue-black. Venter yellow. Legs yellow, with minute black hairs; outer third of the femora, and the entire tibiæ of the front legs, black; front tarsi white, terminal joints brown. Wings with a uniform brownish tinge.

Upwards of thirty specimens, Port Antonio, April. Many of the specimens collected are immature.

**Micropeza producta** Walker? List, etc., IV, 1056.

One specimen, Port Antonio. Agrees fairly well with Walker's description, but the specimen is immature.

#### ORTALIDÆ.

**Euxesta annonæ** Fabricius.

*Musca annonæ* Fabr., Ent. System., IV, 358, 189.

*Tephritis annonæ* Fabr., System. Antl., 320, 19.

*Ortalis annonæ* Wied., Auss. Zw., II, 463.

*Amelthysa annonæ* Schiner, Novara, 283.

*Urophora quadrivittata* Macq., Hist. Nat. Dipt., II, 456 [Lw.].

Common, Port Antonio. This and the two following species were usually found in the crooked corolla of a large *Aristolochia* (?).

**Euxesta costalis** Fabricius.

*Musca costalis* Fabr., Ent. System., IV, 360, 196.

*Dacus costalis* Fabr., Syst. Antl., 278.

*Ortalis costalis* Wied., Auss. Zw., II, 464.

*Dacus aculeatus* Fabr., Syst. Antl., 275 [Loew].

One specimen, Port Antonio.

**Euxesta sp.**

Port Antonio.

#### TRYPETIDÆ.

**Trypeta (Aciura) insecta** Loew, Monogr., I, 72, Tab. ii, f. 8.

Common, Port Antonio.

**Trypeta (Eusina) humilis** Loew, Monogr., I, 81, Tab. ii, f. 17.

*Acinia picciola* Bigot, R. de la Sagr., etc., 824, Tab. xx, f. 10 [Loew].

Common, Port Antonio.

**Trypeta (Tephritis) fucata** Fabricius.

*Musca fucata* Fabr., Ent. System., IV, 359, 194.

*Tephritis fucata* Wied., Auss. Zw., II, 505.

Common, Kingston.

\**Trypeta* (*Urophora*) *avala* Walker, List, etc., IV, 1020.

[Doubtful whether it belongs to Trypetidæ or Ortalidæ, Loew.]

“It is a small Ortalid.”—Osten-Sacken.

\**Trypeta* *Dinia* Walker, List, etc., IV, 1040.

[Perhaps allied to *Trypeta* (*Hexacheta*) *eximia* Wied., or, perhaps, a bad description of a variety of this species, Loew].

\**Trypeta* *Ocesia* Walker, List, etc., IV, 1016.

[*Acrotova* — Loew].—Osten-Sacken.

#### SAPROMYZIDÆ.

*Lauxania* *albovittata* Loew, Centur., II, 79.

Three specimens, Port Antonio.

*Physegenua* *variegata* Loew.

*Lauxania* *variegata* Loew, Centur., I, 83.

Common, Port Antonio.

#### EPHYDRIDÆ.

*Ochthera* *exculpta* Loew, Monogr., I, 160.

Four specimens, Kingston; Port Antonio.

#### HIPPOBOSCIDÆ.

\**Olfersia* *propinqua* Walker, List, etc., IV, 1141.

\**Ornithomyia* *erythrocephala* Leach, Eprob. Ins., 13, 3, Tab. xxvii, f. 4-6.  
Walker, List, etc., IV, 1143.

\**Ornithomyia* *fulvifrons* Walker, List, etc., IV, 1145.

\**Ornithomyia* *unicolor* Walker, l. c., 1144.

\**Ornithomyia* *vicina* Walker, l. c., 1144.

#### NYCTERIBIDÆ.

\**Strebla* *vespertilionis* Fabricius. Walker, List, IV, 1146.

*Hippobosca* *vespertilionis* Fabr., Syst. Antl., 339, 6.

*Strebla* *avium* Macq., Dipt. Exot., 5e Suppl., 127, 2 (on pigeons and parrots).

*Strebla* *Wiedemanni* Kolenati, Horae Soc. Ent. Ross. II, 96, Tab. xv, f. 36.